

ABSTRACT OF THE DISCLOSURE

A speaker authentication system includes an input receptive of user speech from a user. An extraction module extracts acoustic correlates of aspects of the user's physiology from the user speech, including at least one of glottal source parameters, formant related parameters, timing characteristics, and pitch related qualities. An output communicates the acoustic correlates to an authentication module adapted to authenticate the user by comparing the acoustic correlates to predefined acoustic correlates in a datastore.